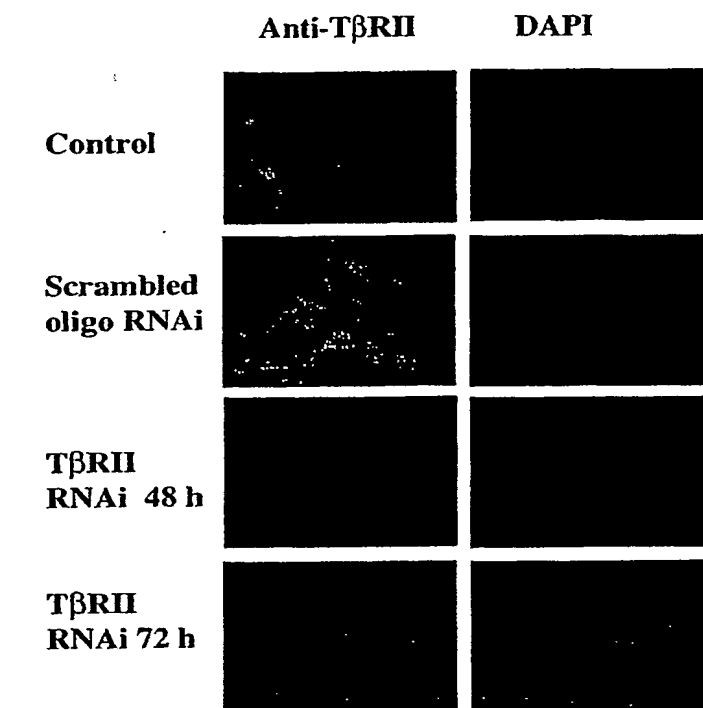
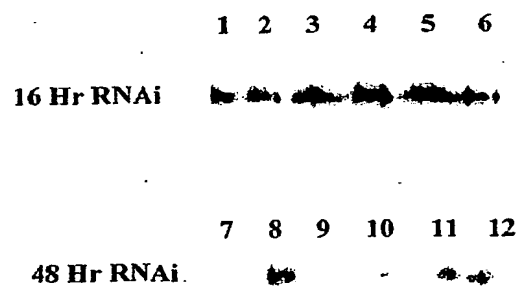


**Figure 1****Inhibition of T $\beta$ RII Expression by RNAi****Figure 2****Suppression of TGF $\beta$ RII Expression by siRNA**

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**Figure 3A**

**Target sequence 1:** AAGTCGGTTAATAACGACATG (SEQ ID NO: 13)

Position in gene sequence: 423

GC content: 38.1%

Sense strand siRNA: GUCGGUUAUAACGACAUGtt (SEQ ID NO: 14)

Antisense strand siRNA: CAUGUCGUUAUUAACCGACTt (SEQ ID NO: 15)

**Target sequence 2:** AACGACATGATAGTCACTGAC (SEQ ID NO: 16)

Position in gene sequence: 435

GC content: 42.9%

Sense strand siRNA: CGACAUGAUAGUCACUGACTt (SEQ ID NO: 17)

Antisense strand siRNA: GUCAGUGACUAUCAUGUCGtt (SEQ ID NO: 18)

**Target sequence 3:** AACACGGTGCACTCAAGTTT (SEQ ID NO: 19)

Position in gene sequence: 456

GC content: 42.9%

Sense strand siRNA: CAACGGUGCAGUCAAGUUUtt (SEQ ID NO: 20)

Antisense strand siRNA: AAACUUGACUGCACCGUUGtt (SEQ ID NO: 21)

**Target sequence 4:** AACGGTGCACTCAAGTTTCCA (SEQ ID NO: 22)

Position in gene sequence: 459

GC content: 47.6%

Sense strand siRNA: CGGUGCAGUCAAGUUUCCAtt (SEQ ID NO: 23)

Antisense strand siRNA: UGGAAACUUGACUGCACCGtt (SEQ ID NO: 24)

**Target sequence 5:** AAGTTTCCACAACACTGTGTAAA (SEQ ID NO: 25)

Position in gene sequence: 471

GC content: 33.3%

Sense strand siRNA: GUUUCCACAACUGUGUAAAtt (SEQ ID NO: 26)

Antisense strand siRNA: UUUACACAGUUGUGGAAActt (SEQ ID NO: 27)

**Target sequence 6:** AAATCCTGCATGAGCAACTGC (SEQ ID NO: 28)

Position in gene sequence: 528

GC content: 47.6%

Sense strand siRNA: AUCCUGCAUGAGCAACUGCtt (SEQ ID NO: 29)

Antisense strand siRNA: GCAGUUGCUCUAGCAGGAUtt (SEQ ID NO: 30)

**Target sequence 7:** AAGTCTGTGTGGCTGTATGGA (SEQ ID NO: 31)

Position in gene sequence: 580

GC content: 47.6%

Sense strand siRNA: GUCUGUGUGGCUGUAUGGAtt (SEQ ID NO: 32)

Antisense strand siRNA: UCCAUACAGCCACACAGACTt (SEQ ID NO: 33)

**Target sequence 8:** AAAGAATGACGAGAACATAAC (SEQ ID NO: 34)

Position in gene sequence: 602

GC content: 33.3%

Sense strand siRNA: AGAAUGACGAGAACAUAACTt (SEQ ID NO: 35)

Antisense strand siRNA: GUUAUGUUCUCGUCAUUCUtt (SEQ ID NO: 36)

**Figure 3B**

**Target sequence 9:** AATGACGAGAACATAACACTA (SEQ ID NO: 37)

Position in gene sequence: 606

GC content: 33.3%

Sense strand siRNA: UGACGAGAACAUAACACUAtt (SEQ ID NO: 38)

Antisense strand siRNA: UAGUGUUAUGUUCUCGUCAtt (SEQ ID NO: 39)

**Target sequence 10:** AACATAACACTAGAGACAGTT (SEQ ID NO: 40)

Position in gene sequence: 615

GC content: 33.3%

Sense strand siRNA: CAUAACACUAGAGACAGUtt (SEQ ID NO: 41)

Antisense strand siRNA: AACUGUCUCUAGUGUUAUGtt (SEQ ID NO: 42)

**Target sequence 11:** AACACTAGAGACAGTTTGCCA (SEQ ID NO: 43)

Position in gene sequence: 620

GC content: 42.9%

Sense strand siRNA: CACUAGAGACAGUUUGCCAtt (SEQ ID NO: 44)

Antisense strand siRNA: UGGCAAACUGUCUCUAGUGtt (SEQ ID NO: 45)

**Target sequence 12:** AAGATGCTGCTTCTCAAAGT (SEQ ID NO: 46)

Position in gene sequence: 676

GC content: 42.9%

Sense strand siRNA: GAUGCUGCUUCUCCAAAGUtt (SEQ ID NO: 47)

Antisense strand siRNA: ACUUUGGAGAAGCAGCAUctt (SEQ ID NO: 48)

**Target sequence 13:** AAGCCTGGTGAGACTTTCTC (SEQ ID NO: 49)

Position in gene sequence: 717

GC content: 47.6%

Sense strand siRNA: GCCUGGUGAGACUUUCUUCtt (SEQ ID NO: 50)

Antisense strand siRNA: GAAGAAAGUCUCACCAGGctt (SEQ ID NO: 51)

**Target sequence 14:** AATGACAACATCATCTTCTCA (SEQ ID NO: 52)

Position in gene sequence: 765

GC content: 33.3%

Sense strand siRNA: UGACAACAUCUUCUCUAtt (SEQ ID NO: 53)

Antisense strand siRNA: UGAGAAGAUGAUGUUGUCAtt (SEQ ID NO: 54)

**Target sequence 15:** AACATCATCTTCTCAGAAGAA (SEQ ID NO: 55)

Position in gene sequence: 771

GC content: 33.3%

Sense strand siRNA: CAUCAUCUUCUCAGAAGAAtt (SEQ ID NO: 56)

Antisense strand siRNA: UUCUUCUGAGAAGAUGAUGtt (SEQ ID NO: 57)

## Figure 3C

**Target sequence 16:** AAGAATATAACACCAGCAATC (SEQ ID NO: 157)

Position in gene sequence: 787

GC content: 33.3%

Sense strand siRNA: GAAUAUAACACCAGCAAUctt (SEQ ID NO: 58)

Antisense strand siRNA: GAUUGCUGGUGUUAUAUctt (SEQ ID NO: 59)

**Target sequence 17:** AATATAACACCAGCAATCCTG (SEQ ID NO: 60)

Position in gene sequence: 790

GC content: 38.1%

Sense strand siRNA: UUAACACCAGCAAUCCUGtt (SEQ ID NO: 61)

Antisense strand siRNA: CAGGAUUGCUGGUGUUAUAtt (SEQ ID NO: 62)

**Target sequence 18:** AACACCAGCAATCCTGACTTG (SEQ ID NO: 63)

Position in gene sequence: 795

GC content: 47.6%

Sense strand siRNA: CACCAGCAAUCCUGACUUGtt (SEQ ID NO: 64)

Antisense strand siRNA: CAAGUCAGGAUUGCUGGUGtt (SEQ ID NO: 65)

**Target sequence 19:** AATCCTGACTTGTTGCTAGTC (SEQ ID NO: 66)

Position in gene sequence: 804

GC content: 42.9%

Sense strand siRNA: UCCUGACUUGUUGCUAGUctt (SEQ ID NO: 67)

Antisense strand siRNA: GACUAGCAACAAGUCAGGAtt (SEQ ID NO: 68)

**Target sequence 20:** AAGCTGAGTTCAACCTGGGAA (SEQ ID NO: 69)

Position in gene sequence: 921

GC content: 47.6%

Sense strand siRNA: GCUGAGUUCAACCUGGGAAtt (SEQ ID NO: 70)

Antisense strand siRNA: UUCCCAGGUUGAACUCAGctt (SEQ ID NO: 71)

**Target sequence 21:** AAGATGACCGCTCTGACATCA (SEQ ID NO: 72)

Position in gene sequence: 997

GC content: 47.6%

Sense strand siRNA: GAUGACCGCUCUGACAUCAtt (SEQ ID NO: 73)

Antisense strand siRNA: UGAUGUCAGAGCGGUCAUctt (SEQ ID NO: 74)

**Target sequence 22:** AACAACTCAACCACAACACA (SEQ ID NO: 75)

Position in gene sequence: 1032

GC content: 38.1%

Sense strand siRNA: CAACAUCAACCACAACACAtt (SEQ ID NO: 76)

Antisense strand siRNA: UGUGUUGUGGUUGAUGUUGtt (SEQ ID NO: 77)

**Figure 3D**

**Target sequence 23:** AACATCAACCACAACACAGAG (SEQ ID NO: 78)

Position in gene sequence: 1035

GC content: 42.9%

Sense strand siRNA: CAUCAACCACAACACAGAGtt (SEQ ID NO: 79)

Antisense strand siRNA: CUCUGUGUUGUGGUUGAUGtt (SEQ ID NO: 80)

**Target sequence 24:** AAGCTGAAGCAGAACACTTCA (SEQ ID NO: 81)

Position in gene sequence: 1119

GC content: 42.9%

Sense strand siRNA: GCUGAAGCAGAACACUUCAtt (SEQ ID NO: 81)

Antisense strand siRNA: UGAAGUGUUCUGCUUCAGCtt (SEQ ID NO: 82)

**Target sequence 25:** AAGCAGAACACTTCAGAGCAG (SEQ ID NO: 83)

Position in gene sequence: 1125

GC content: 47.6%

Sense strand siRNA: GCAGAACACUUCAGAGCAGtt (SEQ ID NO: 84)

Antisense strand siRNA: CUGCUCUGAAGUGUUCUGCtt (SEQ ID NO: 85)

**Target sequence 26:** AACACTTCAGAGCAGTTTGAG (SEQ ID NO: 86)

Position in gene sequence: 1131

GC content: 42.9%

Sense strand siRNA: CACUUCAGAGCAGUUUGAGtt (SEQ ID NO: 87)

Antisense strand siRNA: CUCAAACUGCUCUGAAGUGtt (SEQ ID NO: 88)

**Target sequence 27:** AAGATCTTCCCTATGAGGAG (SEQ ID NO: 89)

Position in gene sequence: 1164

GC content: 42.9%

Sense strand siRNA: GAUCUUUCCCUAUGAGGAGtt (SEQ ID NO: 90)

Antisense strand siRNA: CUCCUCAUAGGGAAAGAUCtt (SEQ ID NO: 91)

**Target sequence 28:** AAGACAGAGAAGGACATCTTC (SEQ ID NO: 92)

Position in gene sequence: 1197

GC content: 42.9%

Sense strand siRNA: GACAGAGAAGGACAUCUUCtt (SEQ ID NO: 93)

Antisense strand siRNA: GAAGAUGUCCUUCUCUGUCtt (SEQ ID NO: 94)

**Target sequence 29:** AAGGACATCTTCTCAGACATC (SEQ ID NO: 95)

Position in gene sequence: 1206

GC content: 42.9%

Sense strand siRNA: GGACAUCUUCUCAGACAUCtt (SEQ ID NO: 96)

Antisense strand siRNA: GAUGUCUGAGAAGAUGUCtt (SEQ ID NO: 97)

**Figure 3E**

**Target sequence 30:** AATCTGAAGCATGAGAACATA (SEQ ID NO: 98)

Position in gene sequence: 1227

GC content: 33.3%

Sense strand siRNA: UCUGAAGCAUGAGAACAUAtt (SEQ ID NO: 99)

Antisense strand siRNA: UAUGUUCUCAUGCUUCAGAtt (SEQ ID NO: 100)

**Target sequence 31:** AAGCATGAGAACATACTCCAG (SEQ ID NO: 158)

Position in gene sequence: 1233

GC content: 42.9%

Sense strand siRNA: GCAUGAGAACAUACUCCAGtt (SEQ ID NO: 101)

Antisense strand siRNA: CUGGAGUAUGUUCUCAUGCtt (SEQ ID NO: 102)

**Target sequence 32:** AACATACTCCAGTTCCTGACG (SEQ ID NO: 103)

Position in gene sequence: 1242

GC content: 47.6%

Sense strand siRNA: CAUACUCCAGUUCUGACGtt (SEQ ID NO: 104)

Antisense strand siRNA: CGUCAGGAACUGGAGUAUGtt (SEQ ID NO: 105)

**Target sequence 33:** AAGACGGAGTTGGGGAAACAA (SEQ ID NO: 106)

Position in gene sequence: 1275

GC content: 47.6%

Sense strand siRNA: GACGGAGUUGGGGAAACAAtt (SEQ ID NO: 107)

Antisense strand siRNA: UUGUUUCCCCAACUCCGUctt (SEQ ID NO: 108)

**Target sequence 34:** AAACAATACTGGCTGATCACC (SEQ ID NO: 109)

Position in gene sequence: 1290

GC content: 42.9%

Sense strand siRNA: ACAAUACUGGCUGAUCACctt (SEQ ID NO: 110)

Antisense strand siRNA: GGUGAUCAGCCAGUAUUGUtt (SEQ ID NO: 111)

**Target sequence 35:** AAGAGCTCCAATATCCTCGTG (SEQ ID NO: 112)

Position in gene sequence: 1476

GC content: 47.6%

Sense strand siRNA: GAGCUCCAUAUCCUCGUGtt (SEQ ID NO: 113)

Antisense strand siRNA: CACGAGGAUAUUGGAGCUctt (SEQ ID NO: 114)

**Target sequence 36:** AATATCCTCGTGAAGAACGAC (SEQ ID NO: 115)

Position in gene sequence: 1485

GC content: 42.9%

Sense strand siRNA: UAUCCUCGUGAAGAACGACtt (SEQ ID NO: 116)

Antisense strand siRNA: GUCGUUCUUCACGAGGAUAtt (SEQ ID NO: 117)

**Figure 3F**

**Target sequence 37:** AACTGCAAGATACATGGCTCC (SEQ ID NO: 118)

Position in gene sequence: 1595

GC content: 47.6%

Sense strand siRNA: CUGCAAGAUACAUGGCUCctt (SEQ ID NO: 119)

Antisense strand siRNA: GGAGCCAUGUAUCUUGCAGtt (SEQ ID NO: 120)

**Target sequence 38:** AAGATACATGGCTCCAGAAGT (SEQ ID NO: 121)

Position in gene sequence: 1601

GC content: 42.9%

Sense strand siRNA: GAUACAUGGCUCCAGAAGUtt (SEQ ID NO: 122)

Antisense strand siRNA: ACUUCUGGAGCCAUGUAUCtt (SEQ ID NO: 123)

**Target sequence 39:** AAGTCCTAGAATCCAGGATGA (SEQ ID NO: 124)

Position in gene sequence: 1618

GC content: 42.9%

Sense strand siRNA: GUCCUAGAAUCCAGGAUGAtt (SEQ ID NO: 125)

Antisense strand siRNA: UCAUCCUGGAUUCUAGGACtt (SEQ ID NO: 126)

**Target sequence 40:** AATCCAGGATGAATTGGAGA (SEQ ID NO: 127)

Position in gene sequence: 1627

GC content: 38.1%

Sense strand siRNA: UCCAGGAUGAAUUUGGAGAtt (SEQ ID NO: 128)

Antisense strand siRNA: UCUCCAAAUUCAUCCUGGAtt (SEQ ID NO: 129)

**Target sequence 41:** AATTGGAGAATGCTGAGTCC (SEQ ID NO: 130)

Position in gene sequence: 1638

GC content: 42.9%

Sense strand siRNA: UUUGGAGAAUGCUGAGUCctt (SEQ ID NO: 131)

Antisense strand siRNA: GGACUCAGCAUUCUCCAAAtt (SEQ ID NO: 132)

**Target sequence 42:** AATGCTGAGTCCTCAAGCAG (SEQ ID NO: 133)

Position in gene sequence: 1647

GC content: 47.6%

Sense strand siRNA: UGCUGAGUCCUUAAGCAGtt (SEQ ID NO: 134)

Antisense strand siRNA: CUGCUUGAAGGACUCAGCAtt (SEQ ID NO: 135)

**Target sequence 43:** AAATGACATCTCGCTGTAATG (SEQ ID NO: 136)

Position in gene sequence: 1702

GC content: 38.1%

Sense strand siRNA: AUGACAUCUCGCUGUAAUGtt (SEQ ID NO: 137)

Antisense strand siRNA: CAUUACAGCGAGAUGUCAUtt (SEQ ID NO: 138)

**Figure 3G**

**Target sequence 44:** AATGCACTGGGAGAAGTAAAA (SEQ ID NO: 139)

Position in gene sequence: 1719

GC content: 38.1%

Sense strand siRNA: UGCAGUGGGAGAAGUAAAAtt (SEQ ID NO: 140)

Antisense strand siRNA: UUUUACUUCUCCACUGCAtt (SEQ ID NO: 141)

**Target sequence 45:** AAGATTATGAGCCTCCATTG (SEQ ID NO: 142)

Position in gene sequence: 1738

GC content: 38.1%

Sense strand siRNA: GAUUAUGAGCCUCCAUUUGtt (SEQ ID NO: 143)

Antisense strand siRNA: CAAUGGAGGCUCAUAAUctt (SEQ ID NO: 144)

**Target sequence 46:** AAAGCATGAAGGACAACGTGT (SEQ ID NO: 145)

Position in gene sequence: 1789

GC content: 42.9%

Sense strand siRNA: AGCAUGAAGGACAACGUGUtt (SEQ ID NO: 146)

Antisense strand siRNA: ACACGUUGUCCUUAUGCUtt (SEQ ID NO: 147)

**Target sequence 47:** AAGGACAACGTGTGAGAGAT (SEQ ID NO: 148)

Position in gene sequence: 1797

GC content: 42.9%

Sense strand siRNA: GGACAACGUGUUGAGAGAUtt (SEQ ID NO: 149)

Antisense strand siRNA: AUCUCUCAACACGUUGUCtt (SEQ ID NO: 150)

**Target sequence 48:** AAATTCCCAGCTTCTGGCTCA (SEQ ID NO: 151)

Position in gene sequence: 1831

GC content: 47.6%

Sense strand siRNA: AUUCCCAGCUUCUGGCUCAtt (SEQ ID NO: 152)

Antisense strand siRNA: UGAGCCAGAAGCUGGGAAUtt (SEQ ID NO: 153)

**Target sequence 49:** AAGACGGCTCCCTAAACACTA (SEQ ID NO: 154)

Position in gene sequence: 2011

GC content: 47.6%

Sense strand siRNA: GACGGCUCCCUAAACACUAtt (SEQ ID NO: 155)

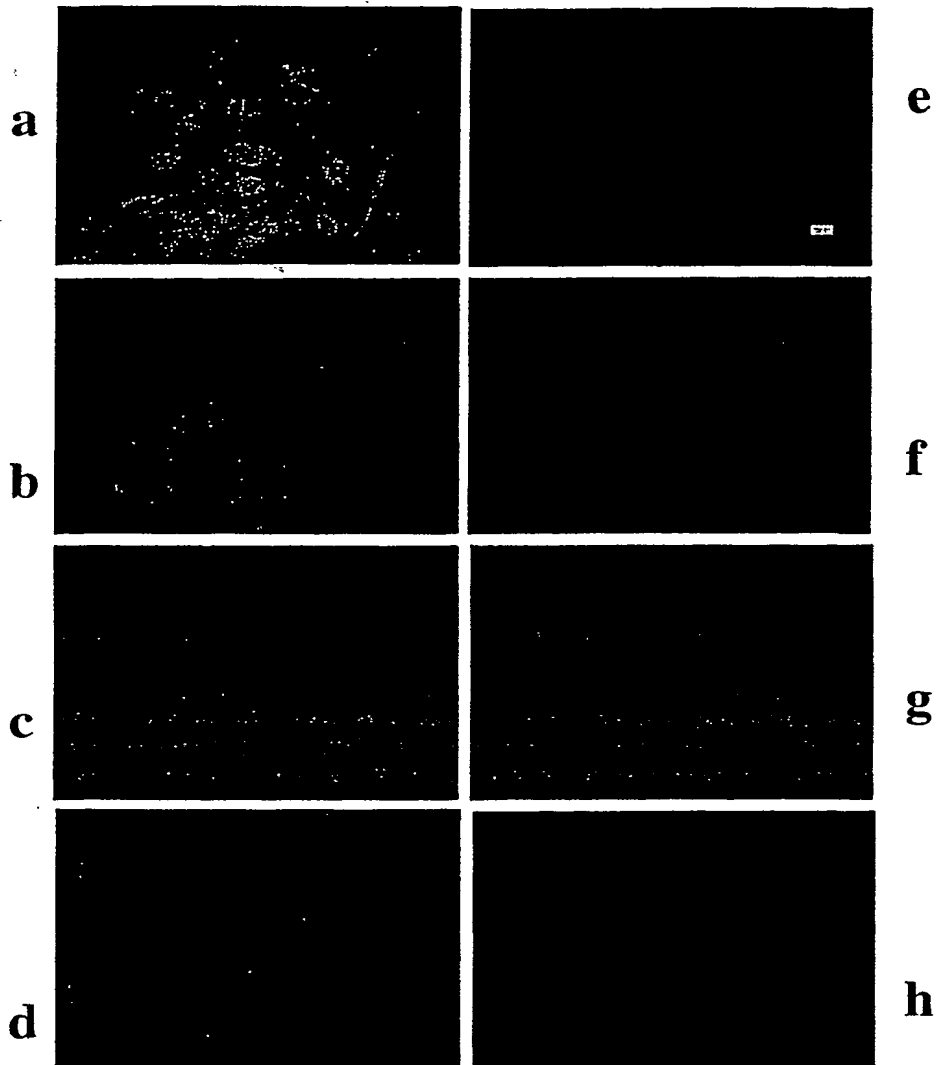
Antisense strand siRNA: UAGUGUUUAGGGAGCCGUctt (SEQ ID NO: 156)

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Fig. 4

**T $\beta$ RII**      **DAPI**



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